

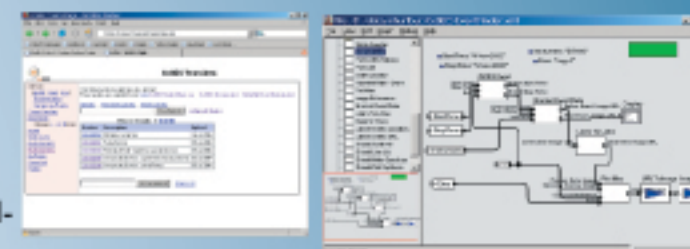
# Future Mission Environment: Virtualizing Access to Solar Physics Data

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## Collaborative Sun-Earth Connector



- Single group at Lockheed-Martin
- Funded by NASA LWS TR&T; second phase funding through 2007
- Extensible to other areas of Sun-Earth research
- Allows users to layer data access, identification, and processing to reduce actual data transfers
- Able to access EGSO, VSO



## Virtual Heliospheric Observatory



## International Virtual Observatory Association



- Worldwide membership, funding
- Includes NVO, AstroGrid
- Concentrates on standards, interoperability

## European Grid of Solar Observations



- European, US consortium
- EU groups EC funded; initial funding through mid-2005
- Solar feature, event catalogs as well as data service catalog
- Can provide processing services as well as data services



- Tiered servers (catalogs, data, processing services)
- Able to access VSO

## Virtual Solar Observatory



- US consortium
- NASA funded; initial funding through mid-2005
- Most space-, ground-based solar physics data
- Currently limited to identifying multiple data sources and delivering data

How to Use the Data Browser

Search for Data (e.g. [AIA] [193] [2010-01-01])

or: [AIA] [193] [2010-01-01] [2010-01-02]

**Filter Options**

- ☐ Instrument
- ☐ Wavelength
- ☐ Date Range
- ☐ Resolution
- ☐ Bandwidth
- ☐ Calibration
- ☐ Access

Instrument: AIA Wavelength: 193 nm Date Range: 2010-01-01 to 2010-01-02

Resolution: 0.5 arcsec Bandwidth: 100 MHz Calibration: Good Access: Yes

Search Results: 1000